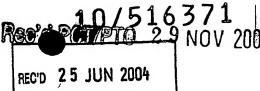
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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Artcle 36 and Rule 70)

Applicant's or agent's file reference PO031001	FOR FURTHER ACTION							
International application No. PCT/KR2003/00063	International filing date(day/max) 13 JANUARY 2003 (13.	onth/year)	Priority date (day/month/y 30 MAY 2002 (30.05.200	vear)				
International Patent Classification (IPC	International Patent Classification (IPC) or national classification and IPC							
IPC7 B63B 25/24								
1107 2002 20121								
Applicant								
PARK, Se-Jong et al								
	This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.							
2. This REPORT consists of a total	of sheets, inclu	ding this cover sh	neet					
This report is also accomp	panied by ANNEXES, i.e., sheets	of the description	on, claims and/or drawings	which have been				
	for this report and/or sheets con the Administrative Instructions un		ions made before this Auth	nority (see Rule				
		idor dio 1 o 1 j.						
These annexes consist of a total	l ofsheets.							
3. This report contains indications	relating to the following items:			•				
I X Basis of the report	•							
II Priority								
III Non-establishmen	t of opinion with regard to novelty	y, inventive step a	and industrial applicability					
IV Lack of unity of in	ivention							
V Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement								
VI Certain documents								
VII Certain defects in	the international application							
VIII Certain observatio	VIII Certain observations on the international application							
Date of submission of the demand	Date	e of completion o	f this report					
26 DECEMBER 2003 (26.12.2003)		14 JUNE 20	04 (14.06.2004)					
Name and mailing address of the IPE	A/KR Aut	horized officer						
Korean Intellectual Property Office 920 Dunsan-dong, Seo-gu, Daejeon 302-701, Republic of Korea		PARK, SUNG	woo					
Facsimile No. 82-42-472-3543		ephone No. 82-4	2-481-8140	4111/211				



International aplication No.
PCT/KR2003/000063

I.	Basis	s of the report					
1.	1. With regard to the elements of the international application:*						
	X	the international application as originally filed					
		the description:					
		pages, as originally filed pages, filed with the demand					
		pages, filed with the demand pages, filed with the letter of					
		the claims:					
		pages, as originally filed					
		pages, as amended (together with any statment) under Article 19 pages, filed with the demand					
		pages, filed with the letter of					
		the drawings:					
		pages, as originally filed pages, filed with the demand					
		pages, filed with the letter of					
		the sequence listing part of the description:					
		pages, as originally filed pages, filed with the demand					
		pages, filed with the letter of					
2.	the i	the language of the translation furnished for the purposes of international preliminary examination (under Rules 55.2 and/					
3.	or 55.3). With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:						
	H	contained in the international application in written form. filed together with the international application in computer readable form.					
	\exists	furnished subsequently to this Authority in written form.					
	\exists	furnished subsequently to this Authority in computer readable form					
		The statement that the subsequently furnished written sequence listing does not go beyond the disc losure in the international applicationas as filed has been furinshed. The statement that the information recorded in computer readable form is identical to the written sequence listing has					
		been furnished.					
4.		The amendments have resulted in the cancellation of: the description, pages the claims, Nos.					
_		the drawings, sheet					
5.		This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed, as indicated in the Supplemental Box(Rule 70.2(c)).**					
*	Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this opinion as "originally filed." and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17).						
** Any replacement sheet containing such amendments must be referred to under item I and annexed to this report.							

INTERNATIONAL PRELIMINARY EXAMINATION



V. Reasoned statement under Article 35(2) with regard to n	ovelty, inventive step or industrial applicability;
citations and explanations supporting such statement	

1.	Statement			
	Novelty (N)	Claims	1	YES
		Claims	None	NO
	Inventive step (IS)	Claims	1	YES
		Claims	None	NO
	Industrial applicability (IA)	Claims	1	YES
		Claims	None	NO

2. Citations and explanations (Rule 70.7)

Reference is made to the following documents:

D1: US 4,082,052 A (Conver Ingenieur-Techik GmbH & Co., KG) 04 APRIL 1978

D2: US 6,334,241 B (YNGVE FLODIN) 01 JANUARY 2002

(1) Novelty (N) and Inventive Step (IS)

The present invention relates to an apparatus for automatically locking containers loaded on a ship, in which a locker is operated by the weight of a container in order to connect and disconnect containers to and from each other. This apparatus comprises a housing with a seating surface and a locking pin, an operating element with a tapered cut portion and an engagement groove, an upper locker, and an lower locker with an engagement groove and a sloped groove.

D1 relates to a coupling device for connecting containers having corner fittings on which slots are formed, the device comprising a casing for abutment by the corner fittings and a locking pin which is pivotally mounted in the casing and carries transversely extending bolts for insertion in the corner fittings.

D2 relates to a container lock comprising an upper and a lower locking lug, a housing, a shaft lockactuated by a spring in the housing and guide means permitting a locking rotation of the lower locking lug.

Neither D1 nor D2 suggests that the locker is automatically operated in accordance with the movement of the locking pin in the housing and sloped groove in the lower locker by the weight of a container when it is loaded or unloaded.

Therefore, the novelty and inventive step of the subject matter claimed in claim 1 can be acknowledged since the present invention is not rendered obvious from the above prior art. (PCT Article 33(2) and (3))

(2) Industrial Applicability (IA)

It is considered that the present invention is industrially applicable to a container-ship as an apparatus for automatically locking containers. Therefore, the subject-matter of claim 1 meets the requirement of PCT Article 33(4).